

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(1689D6) Hex(BAE3FF) Hex(16D65F) Hex(576F80) Hex(000000) Hex(808080)

	Hex(1689D6)	Hex(BAE3FF)	Hex(16D65F)	Hex(576F80)	Hex(000000)	Hex(808080)
Hex(1689D6)		Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(BAE3FF)	Ratio: 2.78 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 15.52 Passed ⁶	Ratio: 2.92 Failed ⁵
Hex(16D65F)	Ratio: 1.94 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 2.71 Failed ⁵	Ratio: 10.82 Passed ⁶	Ratio: 2.03 Failed ⁵
Hex(576F80)	Ratio: 1.40 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 2.71 Failed ⁵		Ratio: 3.99 AA 18pt ²	Ratio: 1.33 Failed ⁵
Hex(000000)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 15.52 Passed ⁶	Ratio: 10.82 Passed ⁶	Ratio: 3.99 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.05 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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